

5'-T T G C T G A C T A A T T G T T A T C C-3'

3'-A A C G A C T G A T T A A C A A T A G G-5'

FIGURE 1

...

(3) $ImPyPyPy-\gamma-PyPyPyPy-\beta-RPR$

(4) ImImPyPy-γ-ImPyPyPy-β-RPR

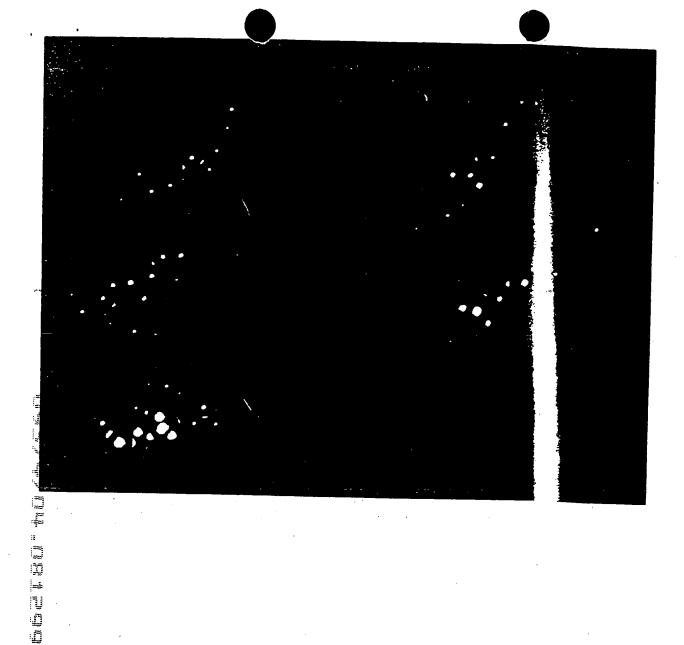


FIGURE 3

(1) ImPyPyPy-γ-PyPyPyPy-β-Dp

(2) ImImPyPy-γ-ImPyPyPy-β-Dp

(3) $ImPyPyPy-\gamma-PyPyPyPy-\beta-RPR$

(4) lmlmPyPy-γ-ImPyPyPy-β-RPR

FIGURE 5

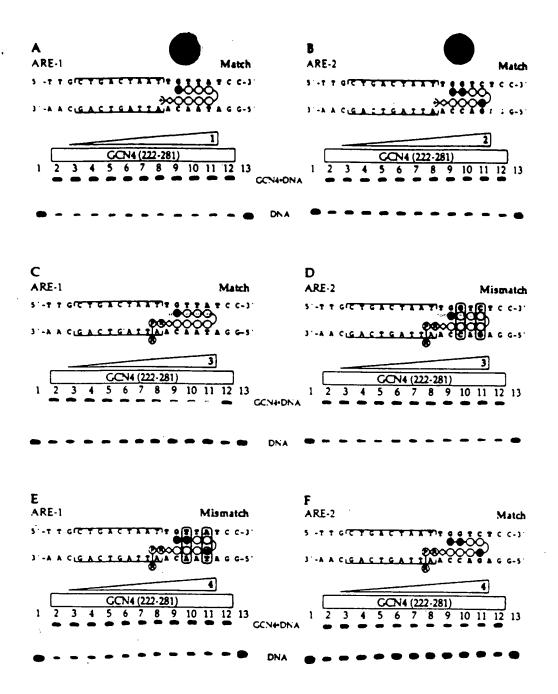


FIGURE 6

~(5)·ImPyPyPy-y-PyPyPyPy-β-RPRRR

(6) ImImPyPy-γ-ImPyPyPy-β-RPRRRR

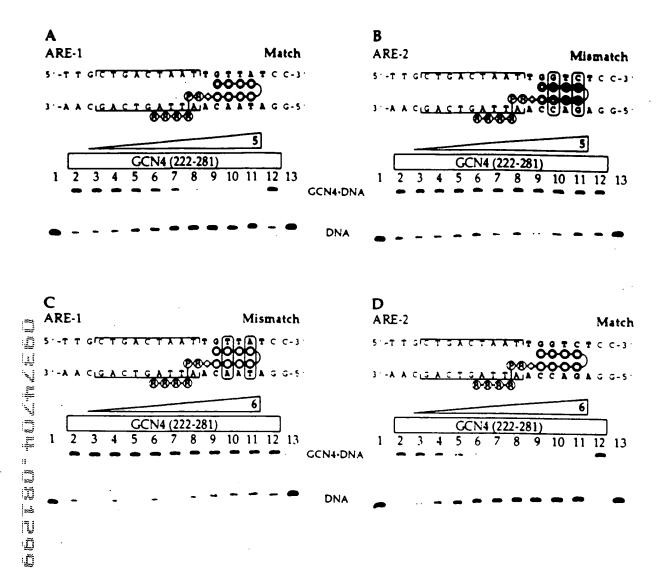


FIGURE 8

ϻΡ<u>ϧ</u>ΡϧΡϧ-γ-ΡϧΡϧΡϧΡϧ-**Χ**

Polyamid	ie X =	Inhil	oition	Polyamide	X =	Inhit	ition
1		β-Dp	-	10	MN WH ² . NH MN WH ² . NH NH ² .	β-R ^D PR	-
3	NH HN NH3-	β-RPR	++	n k	HN NH,	β-APR	-
7	HN NH,	β-R	-	12	NH3.	β-KPR	+
8	NH HN NH3.	β-RP	-	13 H	NH NH2.	β-RPK	++
9	HN NH3. HN NH	β-RGR	+	14 H	HN NH.	C ₇ -RPR M `NH ₃ .	-

FIGURE 9

(11) IIII yi yi yeri yi yeyey-C/-RPR

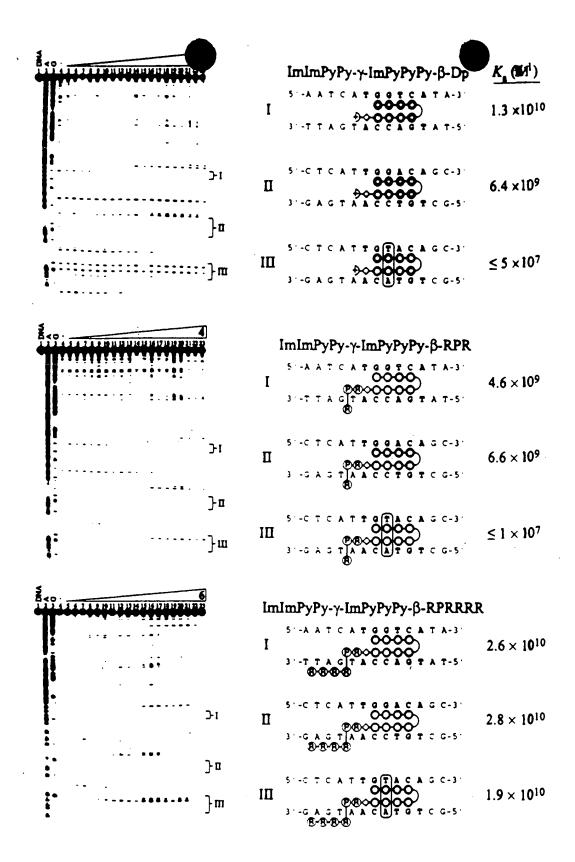


FIGURE 11

Pyrrole/Imidazole Polyamide defines DNA binding affinity and specificity.

FIGURE 12

	5 '	T <u>C</u> T	T				(T)	n					Т	CCTCTCTCTCTCT	3 '
	5 '	AGAGAGGAGAGAG	A	С	A	A G	T	A	C	T	A	T	A	GGAGAGAGAGA	з·
1 -1					-)	$\diamond \ddot{\circ}$	Q	8		\supset)				
	3 '	TCTCTCCTCTCTC	T	G	T	ТС	Α	T	G	A	T	A	T	CCTCTCTCTCTCCT	5 '
		•													
	5 '	TCTCTCCTCCTCTC	T-	_			(T)	n					Т	CCTCTCTCTCTCT	3 '
	5 '	AGAGAGGAGAGAG	A	С	A	A G	T	A	C	T	A	T	A	GGAGAGAGAGGA	3 '
2				į	Ð-(\sim	Ç	O O	\mathcal{O}	\supset					
	3 '	TCTCTCCTCCTCTC	T	G	Ţ	T~C	~ A	·T~	G	·A	T	Α	T	ССТСТСТСТСТСТ	5 '

n=2-6,9

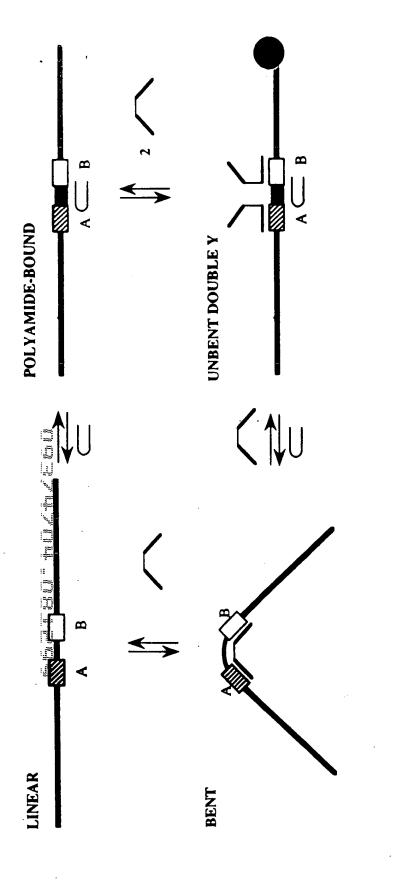


FIGURE 15

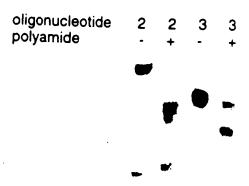


FIGURE 16

oligonucleotide - - - 2 2 2 2 polyamide - 1 2 - 1 2

FIGURE 17A

oligonucleotide - - - 9 9 9 9 polyamide - 1 2 - 1 2



FIGURE 17B

simultaneous addition
polyamide first
ligonucleotide first